

Continuous
News Service
Since 1881

Volume 98, Number 27

The Tech

MIT
Cambridge
Massachusetts

Tuesday, July 25, 1978

© 1978 The Tech

in
the
news

INSIDE

Harvard University president Derek Bok testified before a Senate Committee recently protesting activities by the CIA on US college campuses which he deems "highly inappropriate."

p11

Newly appointed Associate Dean for Student Affairs Robert Sherwood will be replacing Kenneth Browning '66 as dean in-charge of housing at MIT.

p14

CAMPUS

According to the statistics from the Office of Admissions, the students in the class of 1982 represent 49 states, the District of Columbia, and 29 foreign countries. The largest number of incoming freshmen from any one state is 217 from New York. Approximately 9½ percent of the class are minority students. The youngest member of the class is 15 years old and the oldest is 23.

EXCERPTS

If full page advertisements depicting a beautiful and provocatively dressed woman holding a mug of Schlitz beer are sexist, and indeed they are, the *Collegian* should publish them and address the issue of sexism before its readers.

Directly opposite a full page ad of this type, the *Collegian* should respond with a full page ad of its own, which would read something like this:

"SEX

is being used to draw your attention to the advertisement on the opposite page. The next time you reach for a six-pack of Schlitz beer, remember that the Schlitz Brewing Company exploits women and tries to manipulate its consumer public through sexist advertising.

— A. David Gram
UMass Collegian

THE TECH

The staff for this issue included: Benson I Margulies, Night Editor, Kent Pitman, News Editor, & Berman, Len Tower, Dave Thompson, Katy Gropp and Gordon Haff. Photos by Gordon Haff except as noted.

110 crowded dorm rooms this fall

1200

1050

900



Photo by A. David Gram. Graphic by Benson I. Margulies/Kent Pitman

74

75

76

77

78

79

80

81

82

By Ken Hamilton and Mike Ries

The Dean's office expects that about 110 dormitory rooms will have to be overcrowded in order to accommodate the 1,060 freshmen expected to arrive at MIT this fall.

Lisa Kunstader, Administrative Assistant to the Dean for Student Affairs, stated that the crowding this year will be about the same as it was last year, and that she expects Burton House to be the most

overcrowded dorm this year because it has a large number of 'crowdable' rooms and the room assignment system there allows overcrowding.

She warned that the most popular, oversubscribed dormitories are Burton, Baker, MacGregor, and McCormick. Kunstader projects that MIT will reduce the number of overcrowded rooms from 110 this September to 60 by the following fall.

Some steps have already been

taken to ease the housing problem:

The academic council has proposed that the number of incoming students be limited to 1050.

Random Hall, a dormitory which re-opened last year to provide rooms for last year's large incoming class, will probably remain open for the next five years, former Associate Dean for Student Affairs Kenneth Browning '66 told *The Tech*.

Although it will have no effect on this year's situation, Kunstader also noted that the Interfraternity Conference (IFC) has voted to open a new national fraternity, Zeta Psi. The fraternity would not be able to recruit members until well after Rush Week, however, and the earliest that it would be able to establish itself as a living group would be the fall of 1979.

MIT seeks more info from the CIA

By Elaine Douglass

MIT Chancellor Paul Gray has placed a Freedom of Information Act (FOIA) request with the CIA to obtain CIA files relating to MIT.

The request for files is part of a continuing effort on the part of the Institute to gather information and formulate policy on its relationship with the CIA and other intelligence agencies.

The effort began after a US Senate Committee reported in 1976 that the CIA had developed covert contacts with academics at over 100 US universities.

The existence of an FOIA re-

quest from MIT to the CIA was acknowledged last week by Institute Provost Walter Rosenblith, Mathematics Department Head Kenneth Hoffman, who is also chairman of an ad hoc committee to study MIT's relationship to the intelligence agencies, and Dr. Louis Menand, special SSIS assistant to the Provost and a member of the ad hoc committee.

The FOIA request was also acknowledged, through a staff member, by MIT President Jerome Wiesner, and by other persons at the Institute. None of the officials questioned would of-

ficially confirm that MIT is in the process of obtaining CIA files on MIT, each referred *The Tech* to Chancellor Gray, who is out of town.

Referring to MIT's administration, Dr. Menand said, "If they haven't sued [under FOIA], they will, but I haven't seen any letters." According to Dr. Menand, some members of the MIT ad hoc committee recommended to Chancellor Gray that MIT initiate the FOIA request.

One source alleged that MIT will probably receive "a freight-car load of documents" from the CIA, but *The Tech* could not learn whether any arrangements have been made for reading the documents. Similarly, it is not known whether MIT will make public any documents it receives from the CIA.

It is virtually certain that all documents received by MIT will have the names of individuals deleted. Moreover, under FOIA the CIA will not reveal the existence of any confidential contacts with university personnel for secret recruitment purposes.

Dr. Hoffman refused to confirm an MIT FOIA request because, he said, he wishes "to keep the ad hoc committee away from any direct inquiry into what may have happened at the In-

stitute in the past."

Hoffman said he would not read any of the documents MIT might receive from the CIA, although he plans to talk to people who will have read them. Hoffman is chairman of a committee appointed by Chancellor Gray seven months ago to study MIT's relationship to the intelligence agencies.

Provost Rosenblith said he was not well enough informed on MIT's FOIA request to comment, but he referred to the fact that in September 1977 MIT was notified by the CIA that it had unwittingly participated in MK-ULTRA, a covertly-sponsored CIA project on mind control.

In 1959 the work of an MIT researcher, who has since left the Institute, was funded by a CIA-front foundation called the Society for Human Ecology. Later the *Boston Globe* revealed that Sloan School Professor Edgar Schein had also received CIA funds without knowing it.

MIT was one of over 80 US institutions, including Harvard University, informed by the CIA in 1977 of their unwitting participation in the MK-ULTRA project. The CIA notified the universities after it was ordered to do so by the Senate Select Committee on Intelligence.

Minorities on the rise

By Gordon Haff

This year's freshman class has the highest number and percentage of both women and minority students ever at MIT, with 95 minority students and 235 women expected to enroll in the fall.

According to Peter Richardson '44, Director of Admissions, the increase is not due to any changes in either admissions or recruiting policy this year, but to the cumulative effect of recruiting since the mid-Sixties.

When asked if the admissions

policies were different for women and minorities than for non-minority males, Richardson responded, "There is no distinction as far as women are concerned." Regarding minorities, he said that they were "still trying to digest the Bakke case." He did say, however, that MIT was trying to put together a good mix of people.

Associate Director of Admissions John Mack was more blunt regarding the admission of

(Please turn to page 2)

news roundup

World

Soviet dissident sentenced (July 3)— Yuri Orlov, a leading Soviet dissident who had been held incommunicado for more than 15 months, was found guilty of "anti-Soviet agitation and propaganda" by a Soviet court for his role in organizing a Moscow committee to monitor Soviet compliance with the human rights provisions of the 1975 Helsinki accord on European Security and Cooperation. The 53 year old physicist was sentenced to seven years in a labor camp, to be followed by five years of exile in a remote part of the Soviet Union. A spokesman for the US State Department called the trial "a gross distortion of internationally accepted standards of human rights."

Italians rebuke Communists (May 29)—After the brutal kidnapping and murder of former Premier and Christian Democratic leader Aldo Moro, Italian voters turned out in record numbers for local elections affecting two provinces and 816 cities and towns. The votes were cast for the political center and the Italian Communist Party was handed an unexpected loss. The Red Brigades and other radical terrorist groups responded with a series of bombings and daily hit-and-run attacks against victims in several cities.

Kremlin strikes blow to dissidents (July 24)— Russian dissident Anatoli Shchiransky, 30, an unemployed Jewish computer programmer, was tried and convicted of treason in Moscow for his supposed involvement with spying for a foreign country, which was intimated to be the CIA. President Carter categorically denied the charge. However, the US is looking into the possibility of exchanging Shchiransky for two Russian spies, who were arrested in New Jersey.

Nation

The Bakke decision (July 10)— In a 5-to-4 decision, the US Supreme Court affirmed the ruling of a lower court ordering the admission of Alan Bakke, a 38 year old engineer, into the medical school at the University of California at Davis. The high court said that rigorous quotas based solely on race were forbidden, but declared 5-to-4 that a university could continue to take race into account in admissions. Several lower courts were waiting for the decision before ruling on similar reverse discrimination cases that had arisen under Titles VI and IX of the Civil Rights Act of 1964.

Freedom of the press contested (June 12)— A landmark decision by the US Supreme Court reversed the rulings of two lower courts which found that the constitutional rights of the Stanford Daily had been violated by police in an investigation which followed the 1971 illegal seizure of the Stanford University Hospital. In a 5-to-3 decision the high court concluded that police seeking evidence have the right to push unannounced into a newsroom or any other place providing a search warrant has been issued by a judge even if the occupant is not suspected of a crime. The majority rejected the contention that the freedom of the press under the First Amendment gives much more protection against unreasonable search and seizure than is granted to other parts of society by the Fourth Amendment.

Arab/Israel jet sale approved (May 29)— The US Senate voted 54 to 44 in favor of a proposal made by Secretary of State Cyrus Vance and approved by President Carter to sell 60 F-15 Phantom jets to Saudi Arabia, 50 F-5E's to Egypt and 35 F-15's and 75 F-16's to Israel. The Senate decision was met by much protest by the Jewish lobbying effort in Washington.

Minority percentages increase

minorities. He stated that "We do take race into account although it is not the deciding factor. . . Minorities as a whole score one standard deviation lower on their board scores than do whites." He hastened to add, however, that "there is no equivocation when it comes to high school experience. That is the most important thing."

Mack explained that by high school experience he meant not only high school performance but also participation in extracurricular activities. He added that "We don't want a 'straight 800

person' who just walks between his room and the classroom."

When asked about the *Bakke* case, Mack stated that it would not affect MIT at all since "MIT has never admitted students exclusively by race. There is no place at MIT for a poor student to hide."

Mack agreed with Richardson that the greater number of entering minority students this year was the cumulative effect of many years of work rather than some specific change this year. In particular, Mack said that letters written several years ago to junior

high school students to persuade them to take courses which would prepare them for engineering schools are beginning to show their effect. This is a technique which MIT, other colleges, and several national organizations have been using to try to increase minority applications to engineering schools on a long term basis.

There have been a number of what Mack called "shorter term solutions" for some time: letters to high school seniors and visits to college campuses by minority students' sponsored by national minority organizations.

notes

More Undergraduate Seminars

The following undergraduate seminars were not included in the original publication of '78 fall seminars. Students interested in applying for one of these seminars should contact the Undergraduate Seminar Office, MIT Room 7-105, as soon as possible.

DL-5 Technology Appreciation for Human Service Workers

Richard Warren Tues. 3-5pm DL 2113

This seminar is a one-semester course intended for undergraduate students seeking careers as prospective teachers in special education, occupational or physical therapy, nurses specializing in rehabilitation medicine, guidance counselors, and related non-technically oriented individuals whose primary focus is human service. It introduces students to recent developments in biomedical and rehabilitation technology, provides important insights into engineering research and development organizations, and illustrates ways of drawing upon these resources in one's own community. The seminar answers a wide variety of questions, such as what adaptive devices are currently available, and what kinds of devices are likely to be available within the next decade. The seminar will include guest lecturers from Tufts, MIT, and research staff at the Draper Center for Advanced Rehabilitation Engineering.

IS15 An Introduction to Limnology
Prof. Harry Hemond Lec. Wed. 2-4pm 4 field trips Wed. 1-5pm

ANY U.S. BOOK IN PRINT



Ordered BY PHONE
Delivered BY MAIL
MAJOR CREDIT CARDS ACCEPTED
CALL (617) 944-8060 ANYTIME
7 Day - 24 Hour Free Service
Cooperative Book Service of America, International
Reading, Mass. 01867

This seminar is intended as an overview of the physical behavior, biological communities, and chemical cycles of temperate climate lakes. Topics to be covered include the origins of lakes, water balance, the distribution of heat and light energy, phytoplankton and zooplankton communities, the food web, and the nitrogen and phosphorus cycles. Man's impact through lake usage and watershed modification, and the problems and techniques of modern lake management will be discussed. Class time will be divided between lecture and laboratory. Four field trips to representative freshwater areas, including Walden Pond, are planned to give experience in basic field techniques.

17-S13 Political Campaigns '78
Prof. Michael Lipsky Alternate wed. 7-9pm 1st mtg., 7pm Sept. 13 in E53-480

This course offers students the opportunity to gain first-hand experience in and knowledge about political campaigns. Participants will work as interns for 8-12 hours per week in a campaign of their choice from mid-Sept. through the general election on Nov. 7. Students can choose among local, city, congressional, and statewide campaigns.

PLATFORM BEDS

Solid Mahogany Trim
Easy assembly -
no tools required.

Special Introductory Price:

Twin \$79.95

Doubles and Queens \$89.95

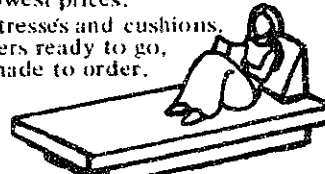
Complete line of foam,

at lowest prices.

Mattresses and cushions.

Covers ready to go,

or made to order.



FOAM RUBBER
DISCOUNT CENTER
165 Brighton Ave., Allston, Ma.
254-4819

Let There Be A Little More Light

How can we solve our energy crisis when a mathematical theory (relativity) and a basic law of science are in conflict? This theory says nothing can travel faster than 186,000 mps or c (the speed of light) not even light itself. This because by fiat or postulate c is a constant to the source and all observers of a universal constant. However, to account for Doppler astronomical use the natural speed of light which is a constant only to the source and natural light must come to observers at different speeds to account for the shifts of the dark absorption lines in the spectra of many stars.

An ordinary radar trap has an electromagnetic radiation exactly like light only of a lower frequency which we can't see. Let's turn a radar system inside out so we can combine time, Doppler, the ether, a vacuum and Einstein's 2nd guess in the same puzzle.

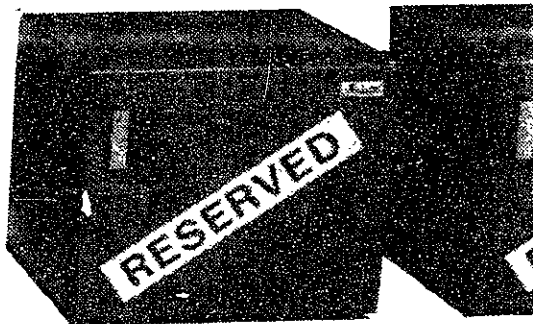
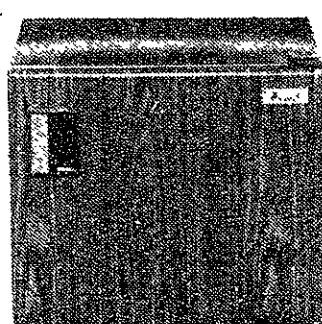
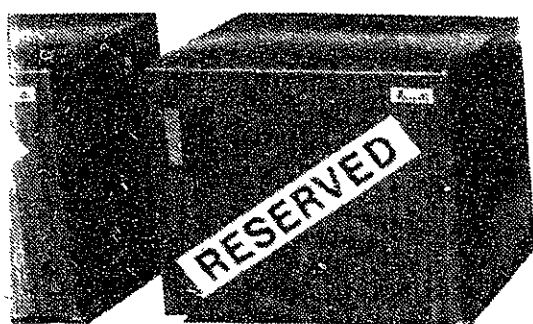
A stable radar transmitter feeds a non-directional antenna on a moving car. When the car gets half way between two detectors, fixed to the Earth a block apart, the transmitter is turned on. After a few dozen microseconds the signals begin to arrive at the detectors. Depending on the car's speed, the detector ahead receives a signal a few femtoseconds before the detector behind the car.

If this timing does not occur how can 3 different frequencies be present simultaneously? After all neither detector moves nor does the transmitter frequency ever change. Just what causes Doppler or exactly what makes a higher frequency at the detector ahead of the car without the transmitter's radiated frequency exceeding c by v (the radial velocity of the car)? To get a lower frequency simultaneously at the detector behind the car we must subtract v from c. Is c plus v equal to c or is c minus v equal to c? No, then light must travel at c plus or minus the radial velocity of the source relative only to the source. Electromagnetic radiations can arrive at an observer at any speed. As a matter of fact this is about the only way we could ever detect the 2 different electromagnetic frequencies than which is being transmitted. NOTE: Most equations for electric or magnetic forces and those for gravitational mass also involve c. What should we go by the theory or the law? The beholder is the reference frame in relativity.

To remove a little gedanken from this thought experiment just remember white light (c) has trillions of identical frequencies except for their wavelength. Let c denote just one electromagnetic frequency or no frequency for all other things from a distance. Now (c) can be a constant to the source and all observers but c is a constant only to the source.

For details send self addressed stamped return envelope to JW Ecklin, 6143K Edsall Rd., Alexandria, VA 22304

"SAVE ME A REFRIGERATOR!"



Many returning students have already reserved their dorm-size rental refrigerators. To save yours, send us only \$5.00 now—the \$45.00 balance isn't due until fall.

Refrigerators have freezers, temperature controls, and tall bottle storage. Perfect for study break snacks or laying in supplies for a real party.

\$50.00 fee includes free delivery in the fall and pickup in the spring. If your unit breaks down, we rush you a replacement within 24 hours—no charge.

Not sure you'll be at school this fall? Afraid your roommate will order one too? No problem. In that case, deposit is fully refundable.

MAIL TO: Student Services Co., P.O. Box 385, Cambridge, MA 02138
MAKE CHECKS PAYABLE TO: Student Services Co.

SAVE ME A REFRIGERATOR! I enclose \$5.00 and agree to pay the remaining \$45.00 rental fee in the fall.

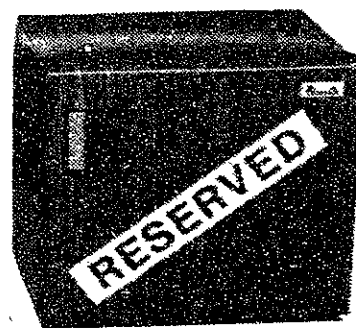
Name _____

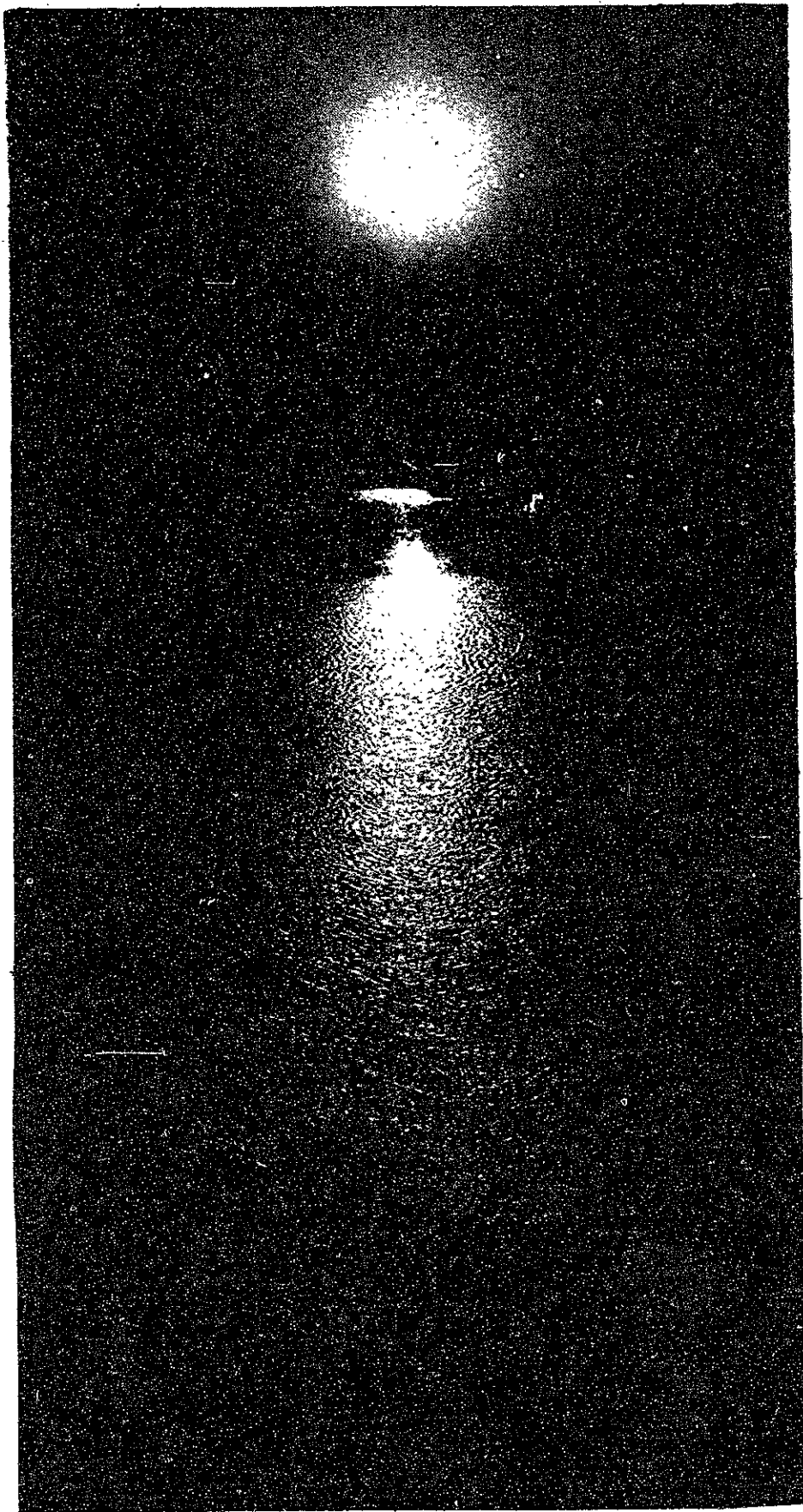
Summer address _____

City _____ State _____ Zip _____

College _____

Dorm & Room (if known) _____ Tel. _____

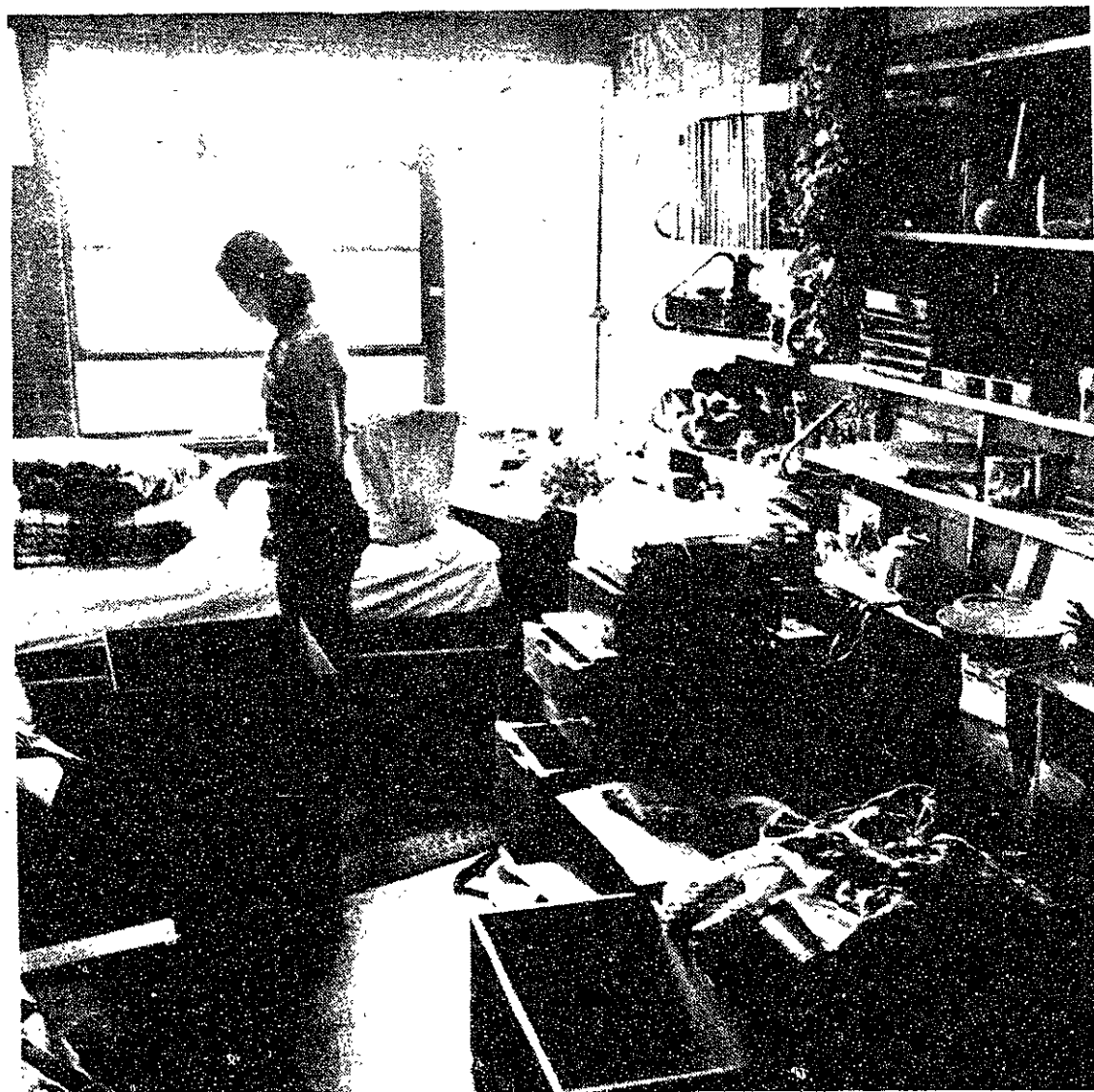
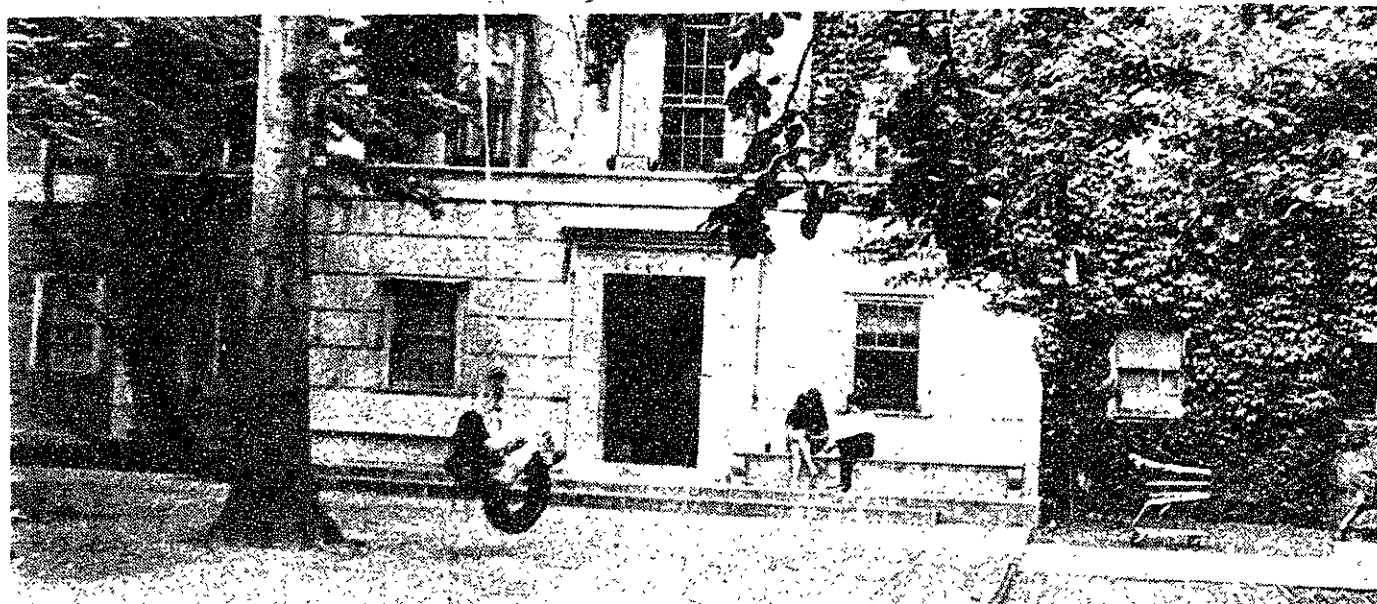




*There are places I remember all my life,
Though some have changed,
Some forever, not for better.
Some have gone and some remain.*

*—In My Life
copyright 1965 Northern Songs*

photo essay by Gordon R. Haff



opinion

MIT resurrects student activists

By Bob Wasserman

The summer column by the editor-in-chief traditionally is dedicated to the new students entering next fall, and I thought I'd bring up the old apathy-activism debate once again.

On the apathy side, critics of today's collegians emphasize the placid, conservative campuses around the nation. William Lasser, last year's

something else

editor-in-chief of *The Tech*, wrote "Far from being idealists, today's college students are almost selfish opportunists". Even *Dooneshury's* Zonker Harris speaks of "the new nar-

cissism" on university campuses.

This is far from true, however, as college activism has risen sharply over the past year, and was never totally dormant. Last month over 15,000 people attended a demonstration at the Seabrook Nuclear Plant in New Hampshire. Sponsored by the anti-nuclear Clamshell Alliance, the rally brought a 'new generation' of young activists into the political fray.

Closer to campus, last spring featured a march and rally against MIT investments in American Corporations involved in South Africa, organized by the MIT-Wellesley Coalition against Apartheid. On the political front, the battle for 1978-79 Undergraduate Association President centered around an experienced, active campus committee chairman and a freshman who challenged the MIT administration on academic and economic policy. In comparison, last year's president was an "alternative" candidate whose victory admittedly came from the popularity of his disco-dancing class.

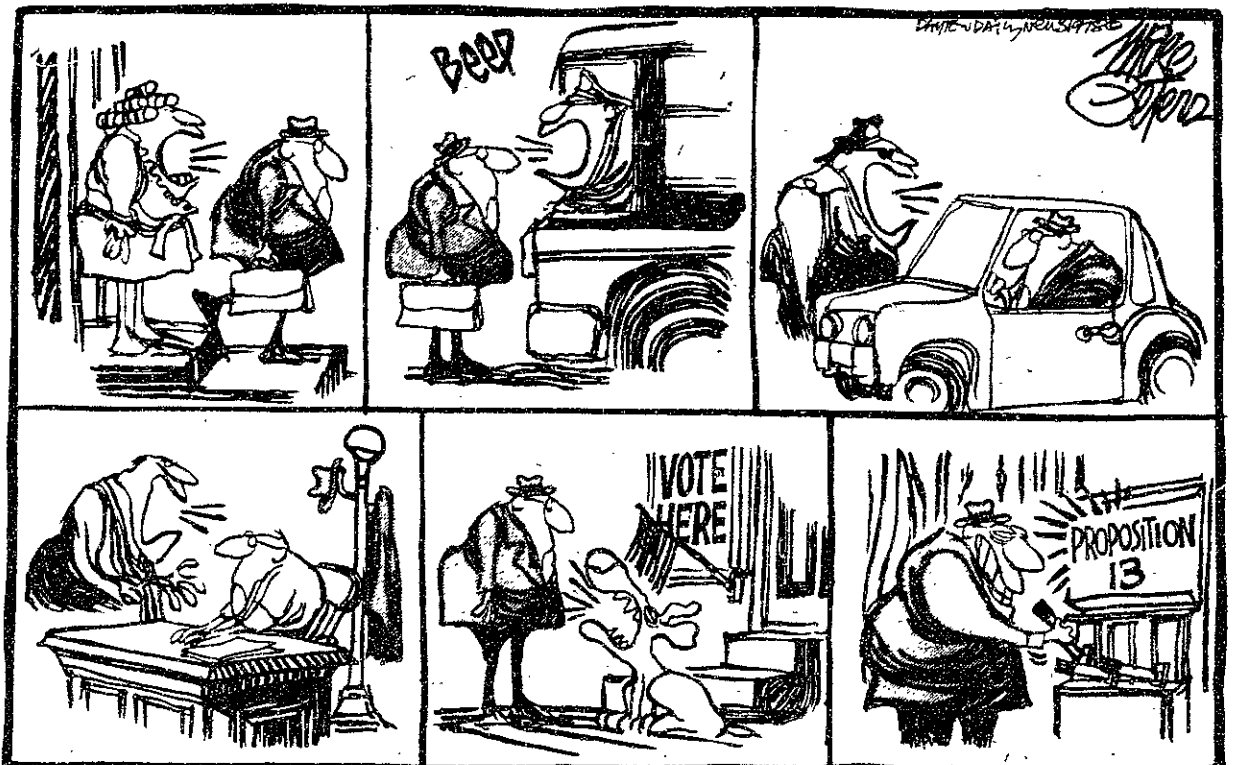
As incoming freshmen, most of you have received a great deal of mail this summer welcoming you to MIT, and congratulating you on joining the big leagues of academia. This correspondence has probably urged you to visit a particular living place, or try out one activity, or think about a certain academic program. This material is important, of course, and is certainly relevant to most of your present concerns about the upcoming fall.

What may be more important, however, are the letters and pamphlets you *don't* get. You won't get a letter from Mayor Kevin White urging you to get involved in the Boston-Cambridge community, but MIT does have Urban Action and high-school education programs. You won't get a plea from a black miner in South Africa asking you to speak out against the racist South African government and American capital flowing into the country. It's up to you to find out about these issues and *act*.

Ten years ago, this summer, demonstrations were held at the Democratic National Convention in Chicago, and the anti-Vietnam War movement first gained momentum. Soon after the cultural aspect of the new left movement would culminate in Woodstock. But after George McGovern's presidential campaign disaster, the American war effort finally ended, and in 1973 Watergate turned the nation's attention away from other pressing problems.

It may be that political and historical events have opened the way for new public issues to receive national attention. Economic opportunities for college graduates have also improved, which means there are fewer financial worries for youths, and perhaps more time to devote to the problems of society. It may even be that a new species has been discovered, the "ten-year activist", who only emerges from the ranks of the nation toward the end of each decade to protest, demonstrate, and fight the establishment.

The political impact of the college student is traditionally a strong one, and this is a legacy each class receives upon entering MIT. Most of you will probably be extremely busy next fall just getting adjusted to MIT life and planning your academic career. So before the long summer days are over, take a few hours to think about just what is wrong with today's society, and what you can do to help improve it. Get involved!!



A new world to cope with

By David B. Koretz

Towering over the incoming freshman, the columns at 77 Mass. Ave. present MIT as a very intimidating place.

Away from home for the first time, the new student is immediately confronted with housing and curriculum decisions that can have lasting effects on his four-year stay at the Institute. And in ten days' time the promised "firehose" of education becomes an academic tidal wave.

Certain implicit guidelines are laid down from the beginning. Full courseloads imply a total devotion to schoolwork.

Living in a predominantly single-sex environment where most of the single-sex neighbors are similarly immersed

in total devotion to schoolwork does not make the new situation any less traumatic for the fledgling.

The only respite from the grind is seen in the MIT social event, which soon become as much a part of the drudgery as an escape from it: LSC movies, 'hacking,' getting drunk on weekends, etc., all within the environment of the ever-oppressive Institute. It is a matter of mere months before the familiar, plaintive cry is voiced: "It's not me, it's MIT."

There are three categories of students at MIT: those who overcome the 'system' I have described; those who, unable to

'beat' it, 'join' it; and those who are overcome by the system.

Among the unlucky ones are the very large number of men and women in the second grouping who go along with the implicit guidelines thrust upon them in their first September in Cambridge. They soon embrace dreary lives, with little light but for that at the end of the tunnel. Unfortunately, for many, four years of social and emotional hermitage proves debilitating for some years after. Worst of all, this group is self-perpetuating. Of course, there are certain people genuinely happy in the stream of an entirely academic life, and I would not purport to force any other lifestyle on them.

There are typically two kinds of people I would classify as lucky at (Please turn to page 5)

perspectives

feedback

R/O coordinator greets frosh

Now it's my turn! Over the past two and one-half months I'm sure you've received at least a three foot high pile of paper from offices, activities, and living groups at MIT, all of whom welcomed you to MIT and congratulated you. I wish to extend the same warm welcome and sincere congratulations, but I also want to touch upon what I feel are some of the more important things about R/O Week '78 that no one else might tell you.

R/O Week is an extremely exciting and hectic time around MIT. In a period of six days you can be exposed to over forty living groups, twenty-four departments, over one hundred activities, endless athletics, numerous upperclassmen, many members of the faculty, administration, and dean's office, Boston, and of course, over 1,000 other members of your class. If nothing else, by the end of the week you will be keenly aware of the diversity that characterizes the MIT community, a diversity that makes MIT a fascinating place.

If you find that the diversity and its presentation is a little too much and a little too fast during R/O Week, don't be concerned. Just relax and enjoy yourself. If you find that you have some questions about anything there are plenty of people around, and almost all of them will be glad to

help you.

There are many resources available to you during R/O Week, and I just want to remind you about some of them that you shouldn't forget.

The first place you will see when you arrive will be the R/O Center, on the second floor of the Stratton Student Center. The R/O Center is staffed by students, all of whom volunteered to be there; it will be open late and on weekends. If they can't answer a question or solve a problem there they probably can get someone who can.

The Office of the Dean for Student Affairs (rooms 7-133, 5-104) and the Office of Freshman Advising (room 7-103) are filled with interesting and helpful people that you should not overlook during R/O Week, or throughout your career at MIT.

"Harbor," which seems like a somewhat cryptic name on the R/O Schedule (one of the many things items that you will receive in the R/O Center), is a lounge area on the third floor of the student Center — a place to just sit and talk; where the emphasis is on relaxing rather than making decisions.

Don't overlook your advisor and associate advisor: both have been selected because of their interest and willingness to work with freshmen and can prove to

be of tremendous help with things other than academics.

I would be doing you a tremendous disservice if I didn't mention the almost 1500 upperclassmen that will return specifically to work on some facet of R/O. Ask questions, but remember to look for yourself as well. Remember that only you can decide which living groups or activities will suit your needs.

The Pre-Picnic Informal Meetings are small discussion groups led by two upperclassmen — one from a fraternity and one from a dormitory. This is a chance to meet other freshmen in a small group and ask a couple of questions or just have someone to sit at the picnic with. If you're interested, there is a reply card in the *Freshman Handbook*.

I just want to close with some things you should keep in mind. Keep an open mind and please, most importantly, remember that the greatest resource that MIT has is the people that make it up. Look around you and get as much as you can from R/O Week, but take a little time to get to know your classmates. I promise you that you will not regret it.

Have a terrific summer and a safe trip to Cambridge. We'll see you September first.

Barry Newman
R/O Coordinator

The Tech

David Schaller '78 — Chairman
Bob Wasserman '80 — Editor-in-Chief
Steve F. Frann '80 — Managing Editor
Lee Lindquist '79 — Business Manager

Volume 98, Number 27
Tuesday, July 25, 1978

NEWS DEPARTMENT

News Editors: Larry Duffy '81, Jordana Hollander '81; Associate News Editors: Kenneth Hamilton '81, Michael Ries '79; Artists: David Copeland '81, Vince Dovydaitis '81; Staff: Henry Fiorentin '79, Margot Tsakonas '79, George Caan '80, William Cimino '80, Barbara Hill '80, George Hunter '80, Kent Pitman '80, Steven Vaughn '80, Brian Aiello '81, Richmond Cohen '81, Michael Heaney '81, Wendy Meyers '81, Martin Prince '81, Lynn Radlauer '81, Steven Schad '81, Micheal Taviss '81, Elias Towe '81, Paul Weber '81.

PRODUCTION DEPARTMENT

Night Editors: Pandora Berman '80, Benson Margulies '81, Eric Sklar '81; Production Manager: Rebecca L. Waring; Typist: Chi-Dai C. Tsai; Staff: Michael Brzustowicz '79, Marlon Weiss '80, Matt Dahl '81, Glenn Katz '81, Stephen Peckiconis '81, Shawn Wilson '81, Micheal Mellone.

BUSINESS DEPARTMENT

Advertising Manager: Brenda L. Hambleton '79; Accounts Receivable: Kathy Dutrow '80; Accounts Payable: Wes Asbury '80; Cash Receipts: Marcia Grabow '79; Advertising Account Representative: Thomas Turner '79; Circulation Manager: John Love '80; Circulation Staff: John Muggeridge '80.

Third class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. *The Tech* is published twice a week during the academic year (except during MIT vacations), daily during September Orientation, and once during the last week of July. Please send all correspondence to: P.O. Box 29, MIT Branch, Cambridge, MA 02139. Offices at Room W20-483, 84 Massachusetts Avenue, Cambridge, MA. Telephone: (617) 253-1541. ISSN 0148-9607. Advertising, subscription, and typesetting rates available. © 1978 The Tech.

opinion cont.

Learning to fit in with the MIT environment

(Continued from page 4)

MIT: students who, seeing themselves overcome by the MIT atmosphere, have the self-confidence to leave, either for a period of time sufficient to gain the necessary fortitude to face the Institute again, or to enroll at another school despite the social pressure from those who see it as 'giving up'; and students who have been able to master their own lives — students who can

look proudly at their academic freedom. There are innumerable routes to this special kind of academic freedom. Counting myself and many of my friends as among the 'lucky,' I have seen many such paths.

The most important factor of MIT life is academia, and rightly so, for surely that is the primary reason for coming here. It is crucial that a student define his goals as soon as possible. I don't

mean major, curriculum, or degree or career objectives, but rather what rewards — and grades — he desires. Except for the incredibly gifted, extremely high grades take an enormous dedication to study. However, if one only takes a plastic drinking straw to the MIT firehose, he is still going to receive a deep, varied, and meaningful education. Different levels of effort will return different levels of grades,

but in almost cases a student will learn a great deal. An individual's devotion to academics should be adjusted in accordance with what returns are sought and in accordance with one's personal, willing dedication to study.

By putting out as much effort as is needed for one's personal goals, a student enjoys life more easily and appreciates his academic returns — and grades — at whatever level they may be.

The opportunities for enjoying life beyond the castle walls are limitless, and for a student not to take advantage of on- and off-campus extracurricular life as a supplement (and complement) to academic life is just plain foolish.

On campus are dozens of student activities that can teach skills, or just provide a place to hang out, forget about schoolwork for a little while, and make new friends. The Intramural sports program is so extensive that even the most unathletic students can find themselves on teams in five or six different sports.

Off campus one only has to go a mile in any direction (buses are plentiful) to find Boston and Cambridge — centers of culture, entertainment, history and night life. Parties at area schools, the Wellesley Exchange, and area clubs, bars and discos are sure bets to cure the almost-single-sex blues of MIT.

All of these escape routes have been detailed a dozen times in the official literature; it is up to each student to make the best of it. Happiness at MIT does not come

easily to a student who doesn't look for it, and the place to begin is with oneself.

An optimistic attitude is essential, and a cheerful outlook on all aspects of MIT life is needed to help get over the rough spots. A certain time put aside every day or every week when NO studying is done is helpful to many harried students.

Freshmen often feel 'down' because, in their new situation, they fear difficulty in making friends. It is best to remember, however, that *everyone* is trying to make friends, and it is just as difficult for the next person. Maintaining at least casual friendships with a lot of people (and with varied kinds of people) can provide necessary pressure valves when the going gets tough.

One of the most difficult times for freshmen is the first big visit home, comparing notes with high school classmates now attending state schools and living the party life. MIT students must constantly and resolutely remind themselves that they are indeed at school to get an education, possibly at the expense of some partying.

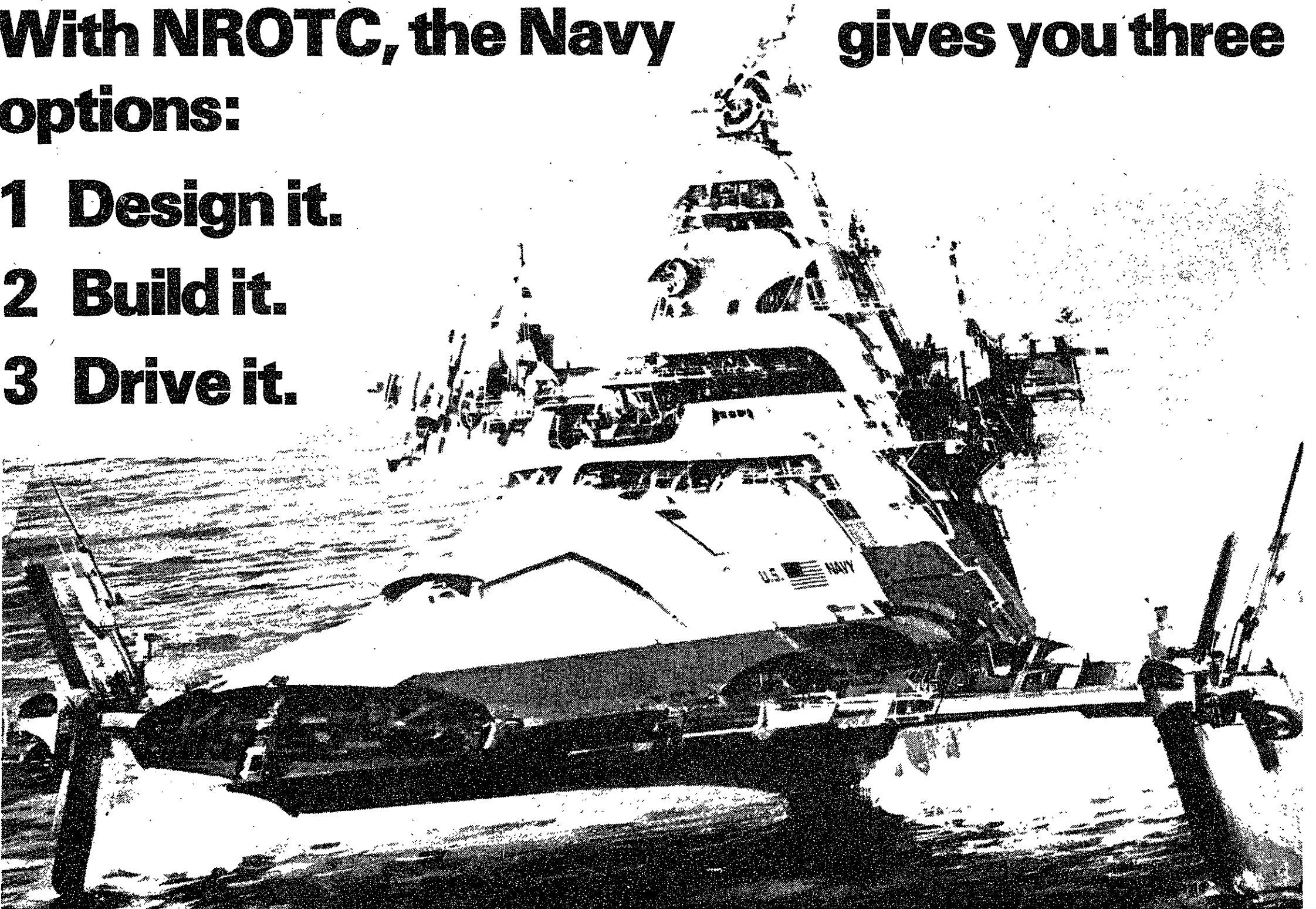
What is most important, in the final analysis, is to remain happy, and at peace with the MIT environment. Only then can you get the most out of your MIT experience and, despite academic pressure and a seemingly oppressive social environment, grow as an individual. It is a proud moment when a student, after four years at MIT, can look back happily and say, "It's me, not MIT."



With NROTC, the Navy

- options:**
- 1 Design it.**
 - 2 Build it.**
 - 3 Drive it.**

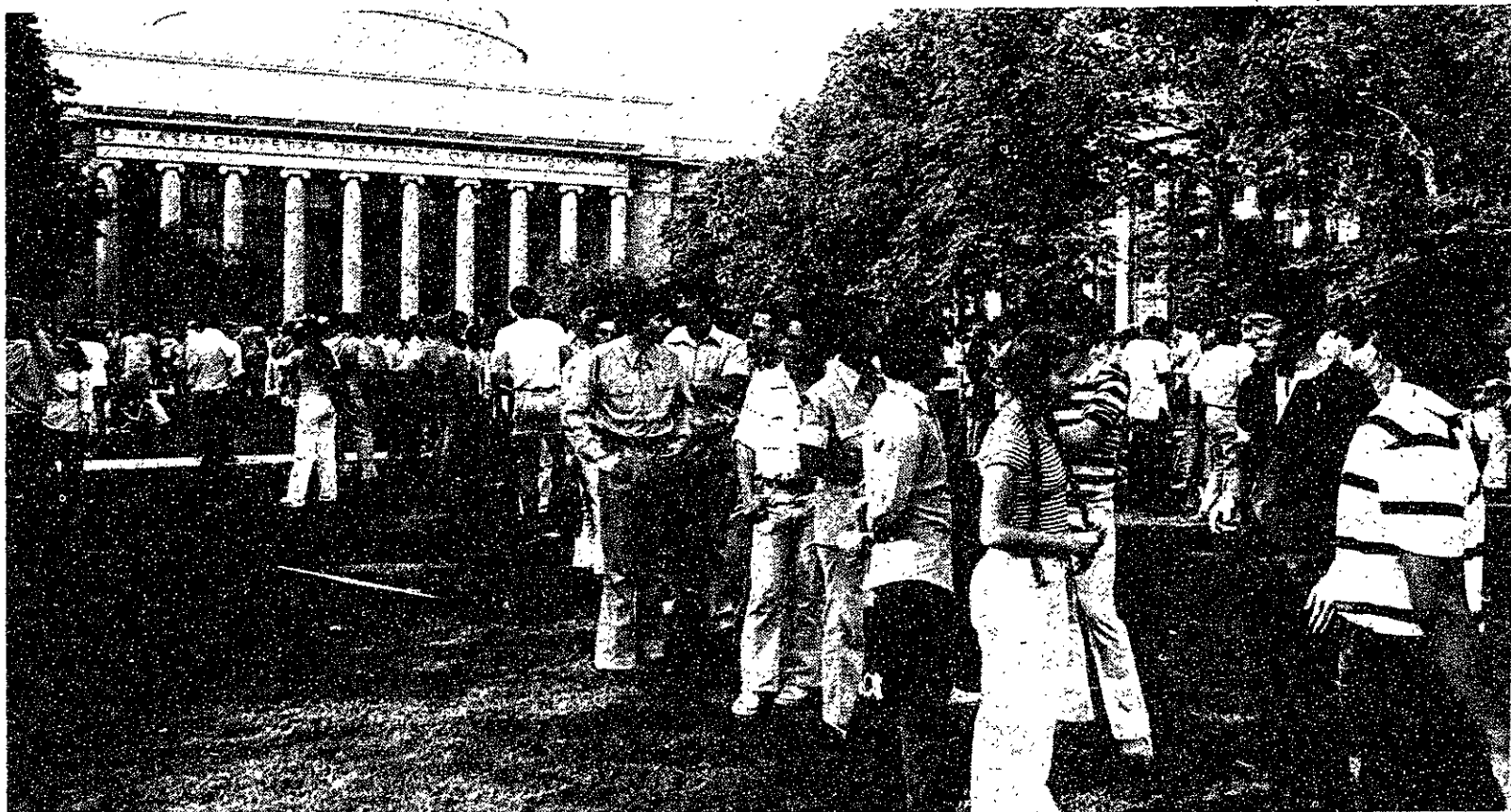
gives you three



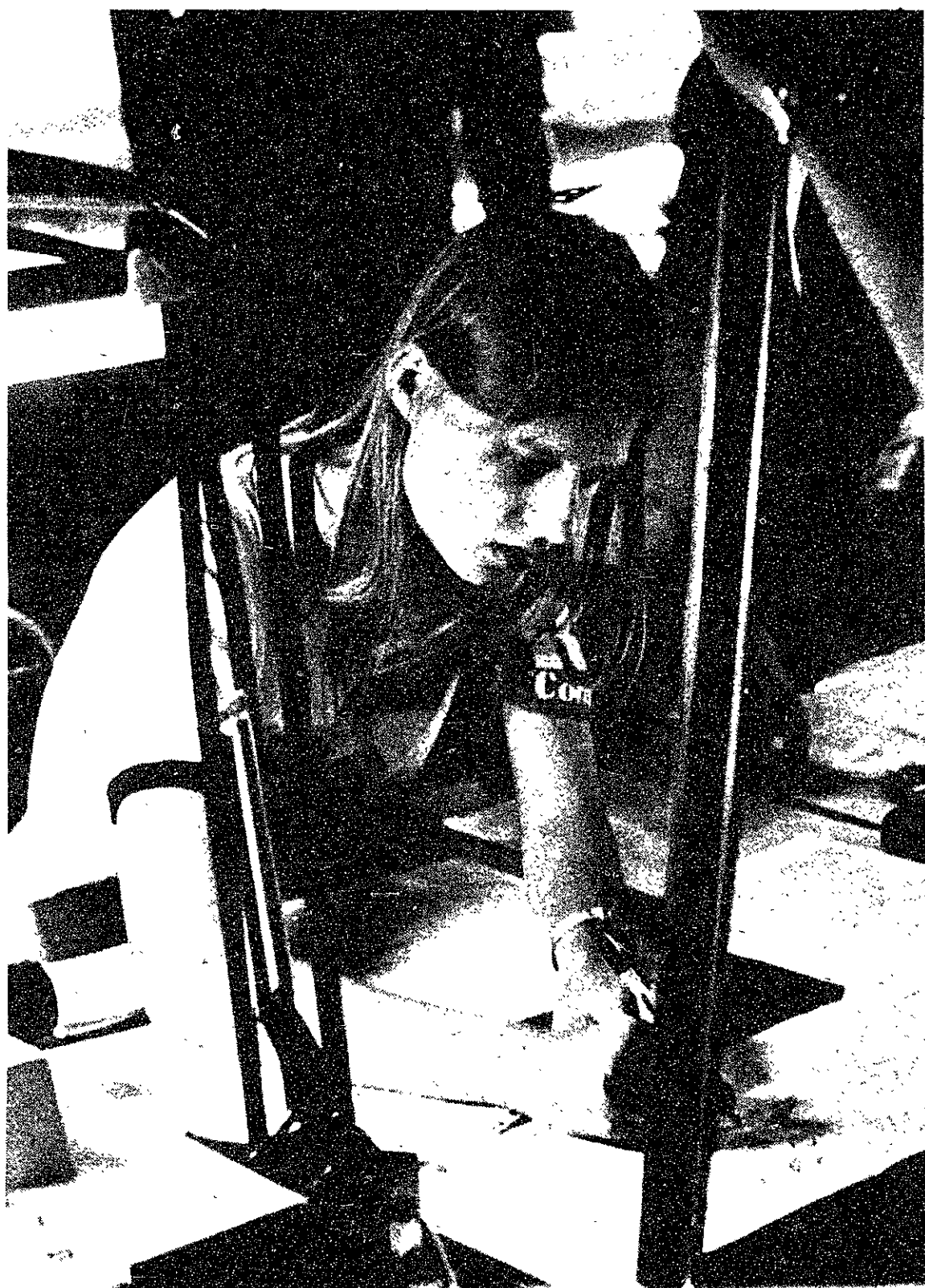
Drop by our Office (20E-125) in September or Give us a call at (617) 253-2991. Scholarships available.

Views of an R/O past

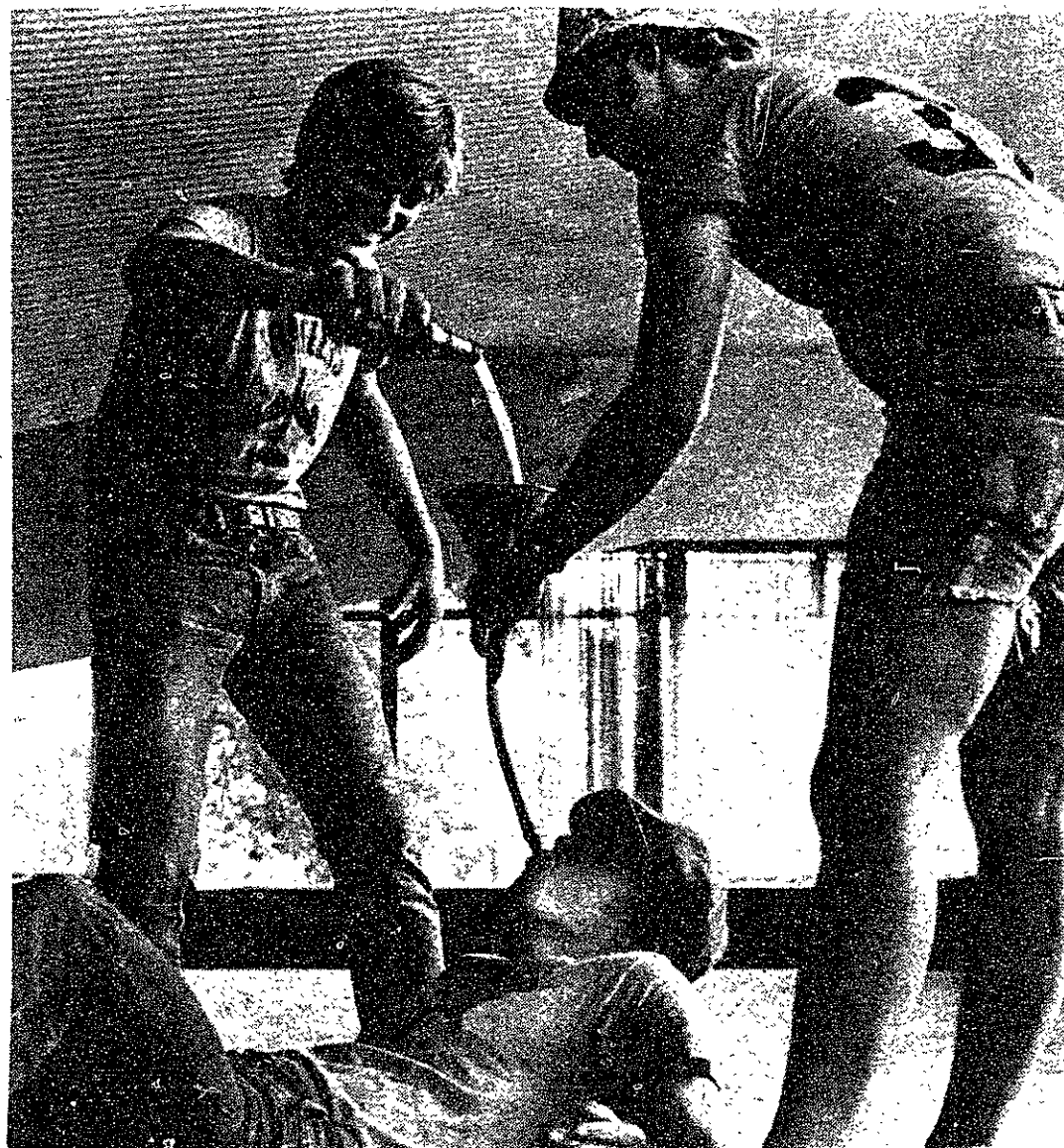
photo essay by Gordon R. Haff



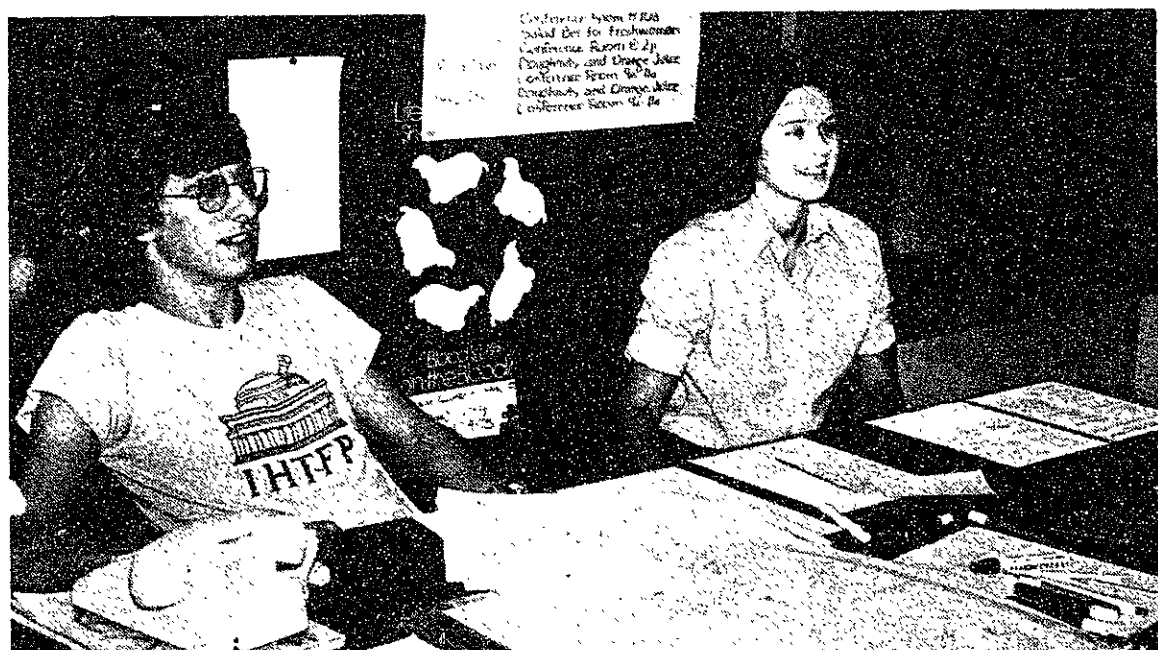
Freshmen line up waiting for food at last year's picnic. Comments from the freshmen interviewed by *The Tech* included "I was surprised how friendly the people were, I expected them to be colder. . . . I don't see any problems about fitting in," and "I'm continually impressed by the variety of people and groups to be found here. I just hope I fall in with the right ones."



During the busy part of R/O Week, the R/O Center is kept open from early morning to late evening to help any freshman with questions or problems. Here, a worker assigns a freshman to a temporary dorm room.



In many dorms, freshmen are aided in their choice of floors or entries with presentations or skits such as this one



The individual dormitories also operate R/O desks. Upperclassmen run tours and generally try to give the freshmen a feel for the sort of people who live in the dorm.



A Wellesley student helps out at a fraternity desk, checking in freshmen to make the bidding process smoother.

LEADERSHIP ADVENTURE AND NO OBLIGATION

The leadership training available in Army ROTC is second to none. The adventurous, challenging activities you'll experience make for one of the most exciting courses on campus.

And there's no obligation your first two years. If you decide to drop Army ROTC as a freshman or sophomore, you can. With no military obligation. That's how sure we are you'll want to stay in.

Call **CAPTAIN BILL TOBIN, 20E-120**
253-4471/4473

Army ROTC  Learn what it takes to lead.

sports cont.

Come out and participate in sports at MIT

(Continued from page 16)

in New England and indoor track ended its season with a 6-2 record. The Club Hockey team also came on strong. Their winning record included their first shutout since 1962 (3-0 against Bates). Their strong players were freshman Duane Horton on offense and the team's "quarterback" Allan Stong '80 on defense.

Suffering from the loss of All American Frank Richardson '77, the cross country team dropped to 2-6, beating only Wesleyan and Tufts. The lacrosse squad also had a losing record, but since they lose only one letterman to graduation, George Marcou '78, they should improve next year.

Varsity Sailing won the Oberg Trophy of the Greater Boston Championship. They also came in second in the running of the McMillan Cup at Annapolis, behind Navy. Varsity soccer posted its first winning season in 14 years. Superb defense in the form of goalie Jamie Bernard '79 and halfback Luis Boza '81 held their opponents to 14 goals in 13 games, but they were also shut out five times. The team has been steadily improving over the last few years. When Coach Walter Alessi took over the team in 1974, it had a 1-10-2 record.

Finally, Varsity Golf team qualified for the ECAC tournament by placing in the middle of a 14-team field at Hamilton, New York, on the virtue of scores of 168 by Mike Swenson '78 and Mike Varrell '79.

It should be noted, however, that there is a great deal more to

sport at MIT than its varsity teams, heavy as student participation in them may be and impressive as are many of their records. For most MIT students, the important part of the sports program is the intermurals.

watching. In fact, intermural contests are frequently bigger draws than their corresponding varsity contests. The "big games" of the year are frequently A-League championships. This is one reason why there is a great deal of



Upwards of 75 percent of the student body participates in this program in at least one sport. Softball alone boasts over 50 percent participation. Other popular sports are football, basketball, and hockey although the program also features less well known items such as cross country and fencing. In fact there are intermurals in just about every sport which it is practical to have them.

The intramural program is particularly interesting in that it offers something for just about everyone. Competition ranges from D-League hockey where the best player on the team has trouble not tripping over the blue line to A-League football where an ICA-SAE championship is as competitive and hard-hitting as any varsity contest.

This brings us to another peculiar aspect of MIT sports system, the lack of spectatorship. It could be argued that this mass participation in intramural sports has to be at the expense of something else. This something else is watching varsity events. Even the better varsity teams draw very modest crowds, and a losing team in the rain is likely to find itself without anyone



groups, and football because not enough living group teams wanted to face the traditional powerhouses Lambda Chi Alpha and Sigma Alpha Epsilon.

These examples are indicative of the general difference in attitude toward sports here. There is no Harvard-Yale game here and probably never will be. The individual sports have their rivalries but there is no one big sport and thus no one big game. The big intramural contests concern far more people than the varsity games. The number of people who would stand outside to watch a varsity hockey game in conditions which will freeze

camera shutters and break the tips off felt tip pens is miniscule compared to those who will watch an intramural game under the same conditions.

In closing, let me point out the obvious. MIT's sports program is unique in that it has something for just about everyone. It has intramurals that anyone can play, and intramurals that are highly competitive. It has varsity sports in almost everything and some fine varsity (and club) teams for people to come out and watch, something not enough students do. Take advantage of them. You'll be sorry if you don't.



Warm Feats Transport moving - storage

We move both local and long distance, and we'll move anything from a lone piano to a seven room house.

call 661-8782

available on ridiculously short notice



AIR FORCE ROTC —

HERE ARE THE FACTS

When you're discussing something as important as your future, it's urgent that you get the straight facts... and that you understand them. Air Force ROTC can be an important part of your future. We would like to outline some of the facts and invite you to look into gathering more.

It's a fact: the Air Force needs highly-qualified, dedicated officers... men and women. It's a fact: we need people in all kinds of educational disciplines. It's a fact: we're prepared to offer financial help to those who can qualify for an Air Force ROTC scholarship.

Get together with an AFROTC representative and discuss the program. We'll give you all the facts. It could be one of the most important talks you've ever had with anyone about your educational plans.

AIR FORCE

ROTC

Gateway to a great way of life.

The Tech

ag ☐ dv p nngbbg hvz s ag ☐ bivpgx gev gh p lbvb t xg ☐ lvz t t lv

Dvrghhghr gh t lv wJhg l svxl? s

Nxl Nxlghv P lib xhz ag ☐ dv p n g hvz xb x Bvp hz ★ gv

→ ppl t

→ pplixt

g h

When you work on The Tech's typesetting system, things don't always go right! But that's what makes The Tech more than just a few people feeding news into machines.

When the machines misbehave, we can depend on each other. Whether it's the staffer with the golden soldering iron that keeps the typesetter going, or a newswriter adding 8 inches of copy to her story at the last minute, or the ad manager finding a 4-year-old copy of an ad logo to replace one eaten by the waxer, or most recently 25 hardy souls hiking through hip-deep snow to deliver The Tech in a blizzard!

You can join us to write a story a month or put in ten hours a week. All we ask is that you be there when we need you — After all, we offer the same to you.

t vhxlt Jir h rlxzlt g h

arts

Grease: Merely an enjoyable movie

By Gordon Haff

I went into *Grease* with a certain amount of prejudice, or to be more precise, an extreme dislike of anybody or anything which had ever been connected with *Saturday Night Fever*. I had some slight hope that 50's music and Olivia Newton-John would make up for John Travolta.

As it turned out the movie was a pleasant surprise. Indeed the worst parts of the movie had nothing to do with John Travolta (who was excellent in his role as Danny) but rather with some quite unnecessary carryovers from the Broadway version of *Grease*. While some of the

original songs were quite good and did help convey a feeling of the 50's, other numbers ranged from stupid to outright nauseating.

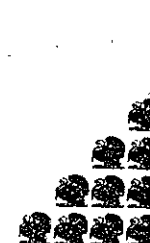
GREASE

The worst example of a song in the latter category was "Beauty School Dropout," a surrealistic sequence seemingly stuck in solely to bring Frankie Avalon into the film. The film could have done without.

These few songs, however, while detracting from the movie certainly don't ruin it. The choreography and sets of "Greased Lightning" make up for any nausea worked up while watching the poorer songs. As might be expected with John Travolta, the main dance sequence in the gym is well done. The dancing does begin to look a little like disco at times but I suppose in a musical a little suspension of

disbelief is always a useful companion. It certainly has its funny scenes and the hokey parts can be pretty much laughed off — the film never asks to be taken seriously. Don't go in expecting a great movie, rather sit back and enjoy the 50's.

The Tech's movie rating scale:


 excellent
 very good
 good
 fair
 poor
 the absolute pits

SPECIAL STUDENT DISCOUNT!

RENT REALLY GREAT FURNITURE

Beautiful

- Livingrooms • Bedrooms
- Dinettes • Bookcases
- Desks • Stereo Units

100% of Payments Apply to Purchase

We Can Furnish Your Complete Apartment

RENT

376 CAMBRIDGE ST
ALLSTON
783-1230

furniture Leasing of america

1580 V.F.W. PKWY
W. ROXBURY
327-6400

BUY

BUY OUR RETURN FROM RENTAL FURNITURE AND REALLY SAVE!

BEDDING SOFA'S DINETTES
BOOKCASES CHAIRS LAMPS
DESKS TABLES ETC. AT
HUGE SAVINGS

BUY AT EITHER OF
OUR TWO SALE
CENTERS

You're gonna love it here!



And
that goes
double
for
McDonald's







Buy One, Get One Free!

This coupon entitles the bearer to one Quarter Pounder® with Cheese* FREE with the purchase of a Quarter Pounder with Cheese*



McDonald's

We do it all for you®

Only at McDonald's®
463 Mass. Ave.
Central Square
Cambridge,
Massachusetts

Only one coupon per customer, please. Not valid in conjunction with any other offer. Offer expires October 31, 1978. Mr. Operator: please return to the above address for reimbursement of food and paper costs. *Weight before cooking 4 oz. (113.4g)

Welcome to Cambridge! And just to be doubly sure that you and McDonald's® get together real soon, here's our special offer. Come on over to McDonald's in Central Square, right near you, for a Quarter Pounder® with

Cheese.* Buy one and get another one free. Grab 'em both yourself or come with a friend and share the fun. Either way, get two and pay for just one! See you soon!

Wrapping it all up for the outgoing seniors

The article from which the following is excerpted originally ran in the special Commencement issue of The Tech. The editors felt that a review of some of the events of the past four years would be as appropriate for incoming freshmen as for outgoing seniors.

By David B. Koretz

It began with an indoor Freshman Picnic almost four years ago, and it's ending with what may be MIT's last indoor Commencement.

In the 45 months between, the class of 1978 grew up at a time when more exciting events happened on campus than at any time since the beginning of the decade. These years have been called the 'Concerned Seventies,' and the class of 1978 has been better prepared for the world than possibly any other class in the Institute's history.

At the end of August, 1974, some 1,053 freshmen arrived on campus eager to have our eyes opened and perspectives broadened.

Closer to home, we saw Gerald Ford battling Jimmy Carter. Once Carter emerged victorious, he carried some spoils of war away from MIT: Earth and Planetary's Frank Press and Lincoln Lab's Gerald Dineen (but not Nuclear Engineering's Kent Hansen).

These were not the only members of MIT's community to depart, but many others have taken their leave tragically. There is little that quickens personal maturation more than the sudden death of a close friend. During the past four years, we have lost many close friends. Professors Hans-Lukas Teuber, Jeff Pressman and Dale Runge all met with sudden deaths. Many more among the student body have

died, by suicide and by accident. In March, 1975, the campus was stunned when John Asinari was brutally murdered while hitchhiking over the Harvard Bridge, and his companion Robert Moses was seriously beaten. The following summer, a Brazilian graduate student died in a Tang Hall fire.

(New House), an old new dormitory (Random Hall), a new old dormitory (Bexley Hall renovation), a new newspaper (*The Beaver*), a new football team, and the highly touted, much maligned New College.

Fall term, 1974, the end of the first week. The trauma of our first

money.

Cleaning services and inter-departmental mail were eliminated, and telephone service slowed, as operators and repairmen honored picket lines. The SCC coffeehouse and the Tech Coop were not getting many of their deliveries, as truck drivers

The Class of 1978 was not unexposed to diverse points of view. In the last four years, speakers on campus have included Daniel Ellsberg, Mo Udall, Willy Brandt, Isaac Asimov, Daniel Patrick Moynihan, John Dean, Carl Sagan, Sam Ervin, Fred Harris, William Colby, Harlan Ellison, McGeorge Bundy, and Vincent Price.

Two MIT scientists copped Nobel Prizes: David Baltimore in Medicine and Physiology, sharing his prize with researchers in Wisconsin and London; and Samuel Ting in Physics, sharing his prize with a colleague at Stanford.

March, 1975, MIT announced plans to train 54 Iranian students over a three-year period in a special master's degree program in Nuclear Engineering. Within a week, over 500 critical students attended a meeting at which President Jerome Wiesner announced the final arrangements.

For the rest of the spring semester students and faculty debated the question of MIT's responsibility in dealing with foreign governments. The sponsors of the plan and their supporters insisted that MIT had an important role in the developing worldwide technology and industrialization. Opponents of the deal charged the Shah of Iran with brutality against his enemies, and claimed that MIT was "selling admissions."

At the end of April, some 200 people met at an anti-Iran deal rally on Kresge Plaza, and then marched to the Building 24 headquarters of the Nuclear Engineering Department for a two hour demonstration and sit-in. In May, Charles Kindleberger was appointed to head an *ad hoc*

(Please turn to page 13)



In September, 1974, Local 254 of the Service Employees International Union (SEIU) went on strike against MIT; they were soon joined by the members of the Cooks' Association in a strike that lasted almost a month. (Photo by Tom Klimowicz)

The class of 1978 saw the demise of other, less important, aspects of campus life as well: all-night dormphone service, Course 23, Course VI tutorials, and *Tech Engineering News*. The first three perished through the Institute's efforts to cut expenditures and balance its budget; *TEN* could not survive a lack of interest that set in shortly after the recession of the 1970's.

All has not been sad, though. This year's seniors were around for the opening of new homes for Draper Labs and the Chemical Engineering Department, a new McDonald's, a new dormitory

Registration Day hardly forgotten, we wide-eyed freshmen were caught in the crossfire of an all-out strike of custodial, maintenance and dining service employees that was to last nearly a month. The 600 members of Local 254 of the Service Employees International Union (SEIU) and the 90 members of the Cooks and Pastry Cooks Association were protesting wages at the \$4-an-hour level. MIT, standing pat with a 7½-percent increase during a double-digit inflation year, convinced students that the strike was merely an inconvenience and a way to earn some extra pocket

were reluctant to cross the lines. Tension developed between striking workers and Cambridge policemen hired by MIT to keep the peace in front of major entrances. Meanwhile, dormitories were cleaned by students whose living groups were given weekly paychecks for the services, and Walker's dining hall was staffed by students in an attempt to feed those 1,000 on Commons plans.

The strike ended as abruptly as it had broken out almost four weeks earlier. Workers, claiming victory, settled for contracts nearly identical to MIT's original offers.

NAVAL ROTC NOW OFFERS MARINE CORPS COMMISSION UPON GRADUATION FROM MIT

If you choose the Marine Option Program, you participate with other Navy midshipmen in the Naval Program for the freshman and sophomore years.

Beginning in the junior year, you will specialize in courses tailored to the Marine Corps and will be commissioned as a second lieutenant upon graduation.

Occupational fields in the Marine Corps include:

Aviation, Infantry, Computer Science, Electronics, and Engineering.



If you are interested in the Marine Option Program, drop by the NROTC Office (20E-125) in September, or give us a call (617) 253-2991. Scholarships available

Four memorable years viewed in retrospect

faculty committee on international Institute commitments.

By the fall of 1975, the program was struggling as a result of entirely internal problems. Only 20 of the scheduled 27 students arrived at MIT; some of them were late for the summer preparatory program, and several others voiced desires to return home shortly after arriving. The Kindleberger committee, operating in a confused faculty atmosphere, urged periodic review of MIT's international commitments, and a permanent standing committee to review such programs. Instead, the faculty set up another *ad hoc* committee, one which was to play a part in the controversy over a Taiwan deal the following year.

Few students at MIT have actively participated in student government in recent years. Since the early 1970's, interest in the Undergraduate Association has steadily dropped.

Even so, the antics of student politicians have provided us with some amusement over the last four years. As freshmen, we were introduced to student government by Steve Wallman, a young man highly concerned with the role and power of the Undergraduate Association on campus. The last of the big-time UA presidents that came out of the period of unrest around 1970, Wallman was succeeded by a UAP less aggressive and less well-known. Lee Allen is remembered for announcing the resignation of his vice-president, Steve Shagoury, before Shagoury had actually resigned. Allen replaced Shagoury with Kevin Miller, and the displaced-veep read of his own resignation in *The Tech*. Shagoury, of course, then proceeded to resign.

Phil Moore worked hard to reestablish the General Assembly as a forum for student input into the political process, but more of his energy went into the highly political Taiwan controversy in the spring of 1976. He was succeeded by perhaps the most apoli-

tical UAP ever, Peter Berke. Berke was criticized for playing down the political and administrative aspects of his job, and praised for using the Undergraduate Association as a means of encouraging social interaction between students. Berke was succeeded just this spring by Barry Newman, head of the Student Center Committee. We seem to have come full circle in four years.

Almost as interesting as student politics are the political machinations of student activities. Our own Association of Student Activities (ASA) has given us some rare moments. First there was the ASA's aborted attempt to oust *Ergo* from under its aegis on the grounds that the weekly "Campus Voice of Reason" lacked the number of MIT students necessary to keep it alive. Frustrated there, the ASA turned itself inside out, and ousted its president, Forrest Krutter. Two years ago, LSC and SACC were battling over the right to show Friday night movies, and the ASA awarded LSC the monopoly. Last year, the ASA investigated *thursday* for its morals, and this year for its financial woes. Also this spring, the Association rejected claims that it was a closed, elitist body by electing Robert Resnick to his third consecutive year as ASA president.

Spring term, 1976, the end of the first week. In its first issue of the semester, *thursday* reported that MIT had concluded a \$900,000 deal with the National Taiwan University to train 15 Taiwanese engineers in inertial guidance and instrumentation systems. The program immediately met with student and faculty criticism.

Two weeks later, a Taiwanese student was accused of photographing those attending a teach-in on the Taiwan program. His accusers charged that the pictures would be used to identify opponents of the Taiwanese government. In March, two Boston-area



Phil Moore (left) and Peter Berke, two Undergraduate Association presidents whose political inclinations were worlds apart (Photo by Rob Mitchell)

Taiwanese students alleged that they were denied passport renewal by the local consulate. One of the students had been at the February teach-in, and both claimed to have been told that they were on government blacklists.

By April, student groups were organizing demonstrations to protest MIT's part in a program allegedly giving military instruction to a government oppressing its citizens.

On May 4, the Ad Hoc Committee on International Commitments (set up the year before to succeed the Kindleberger committee) recommended the termination of the Taiwanese training program or at least the curtailing of its military aspects.

Wiesner's letter.

Meanwhile the State Department, partially at the request of the Social Action Coordinating Committee, stepped in to investigate the program. The State Department's Munitions Control Office advised the Institute that the program would not agree with national policy and security objectives. On June 30, the program was terminated by agreement between MIT and the National Taiwan University. It was apparently a victory for students in the first major confrontation with the administration since the end of the Vietnam War.

In the last year, the interaction between students and the Institute have reached a new peak. Two faculty-administration proposals have generated new levels of student input into the decision-making process. A proposal to move up the Drop Date to the end of the fifth week of the term (from the eleventh) was narrowly defeated by the faculty, and this was seen as a victory for and by the student body.

The faculty is debating the proposals of the Ad Hoc Committee on Grading, which would place grade distributions on transcripts, and allow letters of commendation for up to five percent of the students in a subject. Student feeling on these proposals has been loud and consistently against them. Following the defeat of the Drop Date proposal, the prospect of another student victory is not altogether dim.

SUMMER MUSIC AT MIT

June 29 ROBERT KOFF, violin

Mozart: Duo for violin & viola,
Piano Quartet in g; Haydn Trio;
Beethoven "Spring" Sonata, Op. 24

July 6 THE EMERSON STRING QUARTET

Eugene Drucker & Philip Setzer,
violins, Lawrence Dutton, viola,
Eric Wilson, cello. Program
to be announced.

July 13 THE ERDELY DUO

Stephen Erdely, violin
Beatrice Erdely, piano
All Mozart program

July 20 JOHN BUTTRICK, piano

Beethoven, Op. 10, No. 3;
Chopin: Polanaise, Nocturne,
3 Etudes, Ballade;
Schubert B-flat Sonata

July 27 ELECTRONIC AND COMPUTER MUSIC

New compositions from Computer
Music Seminar, Barry Vercoe, director,
Works of Chowning, Davidovsky,
and Vercoe

Thursday Evenings at 8:00
Kresge Auditorium
Admission Free
253-2906

The last thing you need is Life Insurance, right? Wrong!

The fact is, just about everyone needs life insurance. And the older you get the more you need it... and the more it costs. So if you think you're too young to worry about life insurance, think again. If you buy life insurance now, while you're starting out, you can save throughout your life. And with SAVINGS BANK LIFE INSURANCE you save—because of your age and because SBLI is low-cost life insurance. For more information on how to pay less for life insurance, visit our bank or send us the coupon below.

\$10,000 TEN YEAR MODIFIED LIFE*

Age Nearest Birthday	Annual Premium 1st 10 Years	Average Annual Net Payment 1st 10 Years**
16	\$23.60	\$19.06
17	24.00	19.44
18	24.40	19.76
19	24.70	19.96
20	25.20	20.14
21	25.50	20.18
22	25.80	20.18
23	26.20	20.23
24	26.60	20.25
25	27.20	20.33
26	27.70	20.41
27	28.40	20.73
28	29.20	21.08

*Automatically convertible to straight life insurance at the end of ten years with premiums based on the then attained age

**Based on current Dividend Scale which cannot be guaranteed

SAVINGS BANK
SBLI
LIFE INSURANCE

A Better
Way
of Life

Name

Street

City

State

Zip

Date of Birth

School

Cambridgeport Savings Bank

Cambridge Office
689 Mass Ave., Central Square
(617) 864-5271

Bok protests CIA activities at US colleges

By Elaine Douglass

Harvard University has passed regulations forbidding faculty and other members of the Harvard community from entering into secret relationships with the CIA, but the CIA has refused to cooperate with the regulations, Harvard President Derek Bok told a Senate Committee last week. He asked the Senate to help US universities restrain the CIA.

In testimony given July 20 before the Senate Committee on Intelligence, Bok presented letters from CIA Director Stansfield Turner, which said the Agency would continue to use academics in intelligence-gathering operations and would continue to seek help from academics in identifying university persons who might be recruited as undercover CIA agents.

The CIA is particularly interested in recruiting foreign students as spies in their home countries, Bok declared.

The Harvard regulations, issued May 1977, allow aboveboard research and consulting agreements with intelligence agencies, but aim to prevent covert and confidential contacts.

Harvard re-examined its relationships to the intelligence agencies after the US Senate Intelligence Committee reported in April 1976 that the CIA has "clandestine relationships" with academics in over 100 American universities.

Calling itself "disturbed" by CIA campus practices, the Senate Committee nonetheless declined to consider legislation on behalf of the universities. Instead, the Committee called upon the US academic community to "set the professional and ethical standards of its members."

MIT has a committee to study its relationship with the intelligence agencies. In addition, MIT has placed a Freedom of Information Act request with the CIA to obtain CIA files relating to the Institute.

"Covert recruiting," the Harvard President told the Senate Committee, "involves the secret use by the CIA of faculty members, administrators, and possibly students to identify individuals, primarily foreign nationals studying at US universities, as likely candidates for employment or other service with the CIA."

In order to identify a candidate, Bok continued, "the professor might probe the student's views on international affairs to advise the CIA with respect to the student's attitudes. The professor might ask questions about the student's financial situation, not for the purpose of helping the student but to provide additional information to the CIA. The professor might invite the student to social occasions in order to gain background information."

"In these ways," Bok said, "recruiters become part-time covert agents of the CIA." This is "highly inappropriate."

"Many of these [foreign] students are highly vulnerable," Bok went on. "They are frequently young and inexperienced, often short of funds and away from their homelands for the first time."

Bok then described the "operational use of academics abroad," another CIA practice to which Harvard objects. "A professor's academic status is used as a cover to engage in activities which presumably include collecting intelligence on instructions from the CIA, performing

introductions on behalf of the CIA, playing a role in a covert CIA activity, or participating in some other way in CIA operations."

"This kind of operational use of academics," Bok said, "inevitably casts doubt on the integrity of the efforts of the many American academics who work abroad and... may make it difficult for [them] to pursue their

interests in foreign countries."

As an example of the harm that can result, Bok continued, "A decade ago one scholar revealed that his research findings in Nepal had, unknown to him, been regularly reported to the CIA. Thereafter, the work of other professors in India became suspect; requests to do research were subject to long delays; and efforts to work in sensitive areas

of the country were blocked."

Bok said the CIA has cited three reasons why it will not respect the Harvard guidelines.

"The CIA believes it has been unfairly singled out as the object of special restrictions, but in fact our guidelines cover all US intelligence agencies," Bok declared.

Second, he said, "the CIA asserts that Harvard's guidelines in-

(Please turn to page 15)

Where to eat at MIT

THERE ARE SIX DINING SERVICE FACILITIES ON CAMPUS

On West Campus, in the Student Center (Stratton Building, W20)

Lobdell Dining Hall

on the second floor, across the lobby from the R/O Center
cafeteria service providing breakfast, sandwiches at lunch, and complete meals at lunch & dinner

Year Round Hours:		
Breakfast 7:30 to 10:00	Monday through Friday	Dinner 5:00 to 7:00
	Lunch 11:00 to 2:00	
Breakfast 8:00 to 10:00	Saturday	Dinner 5:00 to 7:00
	Lunch 11:00 to 2:00	
Breakfast 9:00 to 11:00	Sunday	Dinner 5:00 to 7:00
	Lunch 11:00 to 2:00	

The Lobdell grill will be open seven days a week from 2:10 to 4:30 for grill orders and sandwiches. Twenty Chimneys will open at 7:00 PM.

Twenty Chimneys

on the third floor, above Lobdell
fountain and grill serving bar-b-que chicken, half-pound chopped steak, Weiner Schnitzel, sirloin strip steaks, and fishwich, as well as California burgers, French fries, sandwiches, and desserts

Open daily from 7:00 PM to 1:00 AM

And, on East Campus, in Walker Memorial (Building 50)
which faces East Campus dormitory and the Great Sail

Morss Hall

on the first floor, on the side facing the Great Sail
cafeteria service providing breakfast, sandwiches at lunch, and complete meals at lunch & dinner

School Year Hours, Monday through Friday only, effective September 11		
Breakfast 7:30 to 10:00	Continental Breakfast 10:00 to 11:00	Dinner 5:00 to 7:00
Lunch 11:00 to 2:00		

Pritchett Lounge

on the second floor, above Morss Hall
snack bar serving hamburgers, French fries, fountain specialties

R/O Week Hours, effective September 5 through 8		
5:00 PM to Midnight		
School Year Hours effective September 9:		
Sunday	Monday through Friday	Saturday
9:00 AM to Midnight	11:00 AM to Midnight	8:00 AM to Midnight

For the convenience of West Campus residents,
in two of the West Campus dormitories

Residence Dining Halls

Baker House Dining Hall
MacGregor Dining Hall

Breakfast 7:30 to 9:30	Continental Breakfast 9:30 to 10:00
Lunch 11:15 to 1:30	Dinner 5:00 to 6:30

Three Options of Board Plans

- 15 meal plan (breakfast, lunch, & dinner) Monday through Friday ••
- 19 meal plan (breakfast, lunch, & dinner) Monday through Friday plus breakfast or lunch & dinner Saturday & Sunday (at Lobdell only) ••
- Point Plan (268 pts./term, breakfast=1pt., lunch=3pts., dinner=4pts.) any time during fall term ••

You may sign up for one of these three options at any of the dining facilities, and you may take any meal in your contract at any of the four main dining halls (Lobdell, Morss, Baker, MacGregor).

If you have any questions, call the Dining Service at x3-2718 or x3-5173.



Data Communication Engineers

Texas Instruments is seeking engineers and computer science personnel to work in a ground floor opportunity. Successful candidates will be working as members of our Communication Systems Team to develop advanced data communications and networks.

Requirements are formal course studies and research in one or more of the following areas:

- Packet switched networks
- Queueing theory
- Digital communication techniques
- Minicomputer and microprocessor software
- Host computer interface
- Communication protocols
- Intelligent terminal design
- Discrete simulation techniques
- Education:
- MS in Electrical Engineering or Computer Science
- PhD preferred

Send your resume to: Texas Instruments Incorporated/P.O. Box 1444, M.S. 7741, Dept. 7253/Houston, TX 77001.

TEXAS INSTRUMENTS
INCORPORATED

An equal opportunity employer M/F

walking textbook... CIA challenged

Over a half century ago, The Tech published this article urging students to seek diversity in their lives at MIT, rather than becoming locked into the (sometimes overly) familiar role of bookworms, gnurds, and Tech tools. Reprinted from September, 1926. Any resemblance to actual MIT students, living or dead, is all too probable.

Once there was a Freshman who came to Technology and said to all who would listen to him that he came here to study and learn all the old 'Stute could teach him and that he would never be shanghaied into any of those Activities, not on your life!

Many there were who gazed pityingly at this poor, misguided youth, and a few who attempted to remonstrate with him and show him the light. But he was obstinate. "Activities are bunk," he said. "Why looka here, I'm going home now to look up the stuff for this Physics quiz day after tomorrow and I got Calculus and a lot of other things ahead. I'm here for an education. Why, look at so-and-so; over at Walker now getting out next year's Voo-Doo or tomorrow's Tech, maybe they have as good a time as they say they do on the paper, but how many 'H's' do you think they'll pull in Physics quizzes? Nix!"

Wise men were filled with sorrow, the while they bowed low to this Embryo Physics Instructor.

Thus four years dragged by. Our studious Freshman is now a Senior and is beginning to think about something to do when he gets out. He is having some trouble to decide which of the large concerns that are undoubtedly going to bid for his services, most deserved them. A man who can rate "H's" and "C's" the way he has, ought to get along pretty fast in the world.

His Chance came. An official of the XYZ Company came around to look over the Seniors and offer them twenty dollars a week with a chance of becoming president of the corporation. When the Company Official came to the Overly Diligent Freshman, this occurred:

CO "Want to come in with us?"

ODF "Yes, if the position pays well and there is a good chance for advancement, I will think —"

CO "Grades OK, I suppose, or you wouldn't be graduating."

ODF "Yeh, why I got H's and C's in —"

CO "Do anything outside of school? Earn any part of your expenses?"

ODF "Didn't have any time, too busy studying, why for three terms in a row I got C's in —"

CO "Uh-huh. Do anything in athletics?"

ODF "No time, lessons came first. The prof in P-double E said I —"

CO "Uh-huh. What activities were you in?"

ODF "Not any, no time to waste doing that stuff. I couldn't ha' got the ranks I did in —"

CO "No work, no athletics, no practice in anything but studying, no activities, no — Good Gawd! Bring on the next animated textbook."

Here we must leave him. Tear-blinded eyes and lack of space prevent further grim recitals. We could — but we won't — tell of his few acquaintances, men he was thrown with in class — had the next seat or the same lab experiment; his lack of knowledge of real Tech life; the few pleasant impressions he was to take away with him; his inability to meet fellows and get along with them — everything he missed by sticking to studies and nothing else. A whole world of action, pleasure, profit, loss to him.

2500 years ago Aesop said: "A brain must be used for something besides a card index for facts, or half of it will atrophy."

(Continued from page 14)
terfere unjustly with the freedom of individual professors... to offer their services to the government." In this instance, Bok said, "Harvard does claim the right to promulgate rules which prevent behavior that may compromise [Harvard's] mission."

Third, "the CIA has argued that it must disregard our guidelines in the interests of national security. Although the CIA emphasizes the 'immense benefits we receive from extensive relationships with scholars and academic institutions throughout the country,' it insists upon the right to use financial inducements or other means of persuasion to cause our professors and employees to ignore our rules of employment and enter into secret relationships...."

After one year of discussions with the CIA, Bok told the Senate

Committee, Harvard and the Agency have been "unable to resolve their differences." This raises the question of whether the university-originated regulations recommended by the Senate Committee in 1976 will be sufficient to end covert CIA penetration of US universities.

The CIA has indicated elsewhere its determination to maintain secret campus contacts. In an affidavit submitted May 4, 1978 to a Washington, D.C. federal district court, the CIA described its campus contacts as "sources of intelligence." As such, the Agency maintained, it is not required to disclose the identity of such contacts under a Freedom of Information Act (FOIA) suit.

The Agency is being sued by Nathan Gardels of the University of California for the deleted infor-

mation in documents released to him as part of an FOIA action.

"The CIA must have the capability of collecting foreign intelligence... from all sources within the academic community, including administrative personnel, professors, and students," the CIA affidavit declared.

Moreover, the Agency has taken the position that it will neither confirm nor deny even the existence of a covert contact on any given college campus."

"To deny the existence of CIA ticular college or university could in the ultimate identification, by through FOIA requests by the plaintiff or university could result in the ultimate identification, by a process of elimination, of those colleges or universities where CIA has confidential contacts," the affidavit said.



Your face can launch a thousand checks.

When you want to pay by check and you don't have a picture ID, you have to face the consequences.

Now there is a way around the problem: a free ID card with your picture on it. And the only bank in the Square that offers it is Cambridge Trust.

Just open a checking account or savings account, or receive a Master Charge card from us.

So even if you don't resemble Helen of Troy, or even John Travolta, your face can launch a thousand checks.

Show it at one of our three offices. We'll do the rest.

Cambridge Trust Company

1336 Massachusetts Avenue
(Holyoke Center, Harvard Square)

326 Main Street
(Near the Ford Building, Kendall Square)

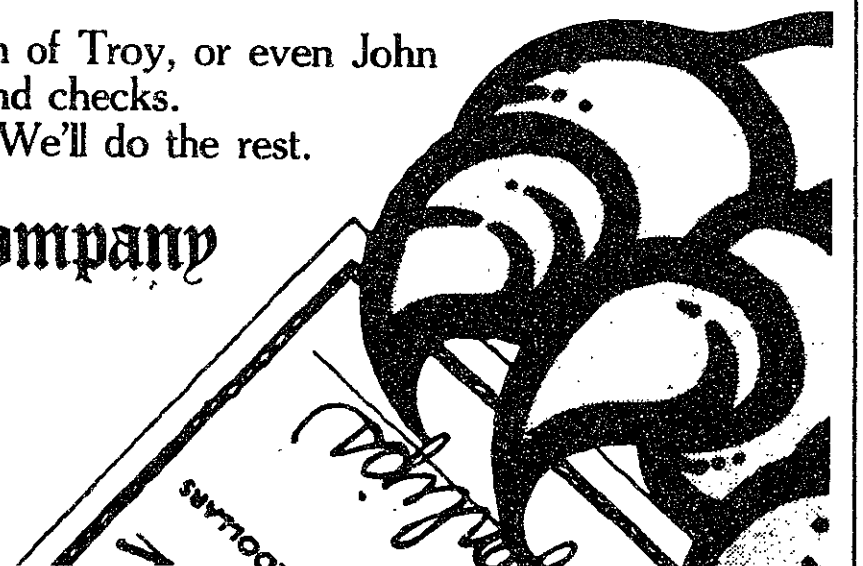
358 Huron Avenue
All offices: 876-5500

National Geographic Movers

Local and long distance storage space available New York trips every month.

call 547-6457

We may be the least expensive professional movers in town.



sports

Last year was a good one for MIT sports

By Gordon Haff

During the past year, sports at MIT has seen a number of changes, both major and minor. Last April, the Greater Boston became the first track meet to be held in the new Henry G. Steinbrenner Stadium, an outdoor track and field complex which sports the first artificial surface of its kind in the country. Planning continues on the indoor sports complex. Construction was originally slated to be started over this winter (thus closing down the old outdoor rink) but now it looks like construction may not start until spring.

These new facilities are welcome additions to the MIT athletic plant, which was highly regarded when first built but which is now beginning to show both its age and its inability to keep up with an MIT community which is becoming more involved with sports on all levels every year.

In addition to its new facilities, changes have come over the MIT sports program which reflect changing trends in the country as a whole. In particular, the women's sports program, always large at MIT, continues to expand. Indeed, many of the teams with the best records this year were women's sports. The Women's Volleyball team competed in the Division I state championships for the first time and won.

Elsewhere in women's sports,

the sailing team won the Captain's Cup, the crew team came in fourth in the Head of the Charles Regatta behind the University of Wisconsin, the Vespers Boat Club, and St. Catherines, ending up second in New England. Also, freshmen Leslie Harris became MIT's first All-American gymnast with her fifth-place finish on the uneven parallel bars at the Small College Nationals.

There were also several new additions to the program. The women's field hockey club was given Varsity status, and despite their poor record their coach expects significant improvement next year as the team gains experience.

The recently formed women's rugby club won their first game and the new women's water polo club had a winning record.

In men's Varsity sports, the biggest surprise was the water polo team. After bringing in losing records since the early '70's the team jumped top third in New England this year. Since only two of the starters, captain Dick Henze '78 and Sam Senne '78, are being lost to graduation, the bulk of the team, including All-American goalie Pete Griffith '79, will be returning. With the additional year's experience the team should equal or surpass their performance of this past year.

In terms of awards won, however, MIT's most impressive team was pistol. By the end of the sea-



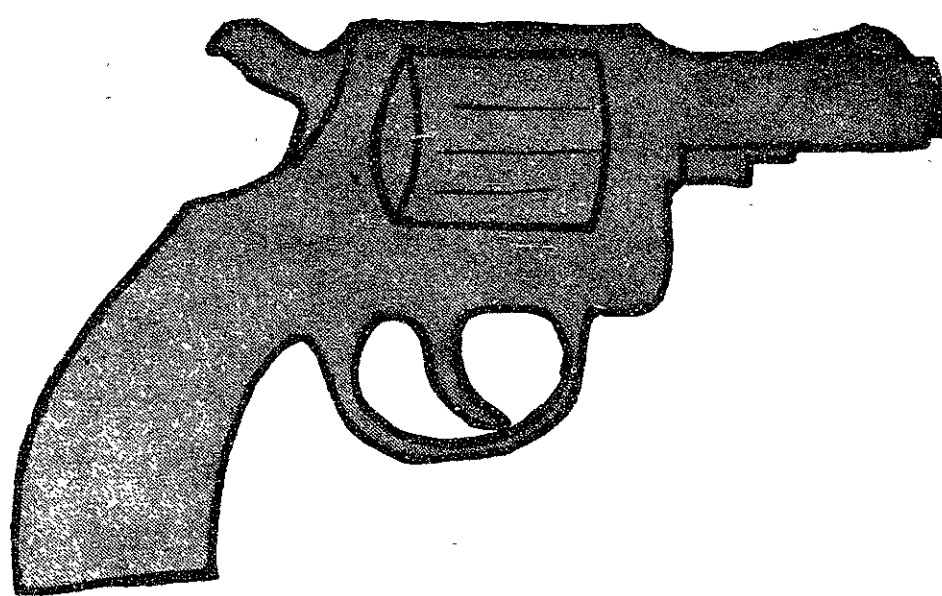
son, the squad had captured two National Junior Records in Monthly Open Free Pistol and Standard Pistol. On an individual level, Dave Miller '79 brought back a gold medal from the Pan American games where he aided the American Junior Team with a score of 362 out of 400, and David Schaller '78 set an in-

dividual record in center fire event.

Pistol was not the only sport with individual champions. Mark Smith '78 of the fencing team took sixth place in the NCAA championships and became MIT's first All-American fencer since 1974, while leading the team to a tie with Dartmouth for the

New England championship. It was the ninth year in a row they have been first or tied for first. The swim team's Preston Vorlicek also took a sixth place in the NCAA Division II swimming championships in the 200 yard breast stroke.

The rifle team finished second
(Please turn to page 8)



GREAT
FOR
PARENTS

There's *one* way to be in touch with MIT without being *at* MIT. *The Tech* keeps you informed of the issues at MIT — and the pressures on and concerns of students here.

SUBSCRIPTION RATES

Return to:

The Tech

Attn: Circulation Manager

PO Box 29 - MIT Branch

Cambridge, MA 02139

(W20-483 by Institute Mail)

Renewal: Yes ☐ No ☐

US Mail - 1st Class: 1 year \$20 ☐ 2 years \$39 ☐

3rd Class: 1 year \$7 ☐ 2 years \$13 ☐

Foreign - Air Mail: 1 year \$100 ☐

Surface Mail: 1 year \$25 ☐

Institute Mail - 1 year \$4 ☐ 2 years \$7 ☐

Name _____

Address _____

City _____

State _____

Zip Code _____